		PTO/SB/21 (04-04)
Application Number	10/705,391	
Filing Date	November 10, 2003	
First Named Inventor	HUGHES, JOY VANNELIA	
Art Unit	3732	
Evaminer Name	1,, , ,	

(to be used for all correspondence after initial filing) Unassigned Attorney Docket Number 018563-005910US Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication Fee Transmittal Form Drawing(s) to Technology Center (TC) Appeal Communication to Board Fee Attached Licensing-related Papers of Appeals and Interferences Appeal Communication to TC Amendment/Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final **Proprietary Information Provisional Application** Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address Other Enclosure(s) (please **Extension of Time Request Terminal Disclaimer** identify below): Return Postcard **Express Abandonment Request** Request for Refund Fee Authorization (See IDS page 2) Supplemental Information CD, Number of CD(s) Disclosure Statement (Reference Copies) Remarks The Commissioner is authorized to charge any additional fees to Deposit Certified Copy of Priority Account 20-1430. Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Townsend and Townsend and Crew LLP James M. Heslin Reg. No. 29,541 Individual name Signature Date 2004 September **CERTIFICATE OF TRANSMISSION/MAILING** I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name Tiffany Wu Date September <u>&</u>, 2004

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Commissioner for Patents P.O. Box 1450

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TOWNSEND and TOWNSEND and CREW LLP

Tiffany Wu

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JOY VANNELIA HUGHES et al.

Application No.: 10/705,391

Filed: November 10, 2003

For: SYSTEM AND METHOD FOR SEPARATING THREE-DIMENSIONAL

MODELS

Examiner: Unassigned

Art Unit: 3732

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37

CFR §1.97 and §1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Electronic copies of the references are enclosed on 1 CD-ROM disk.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

The references cited in the accompanying PTO/SB/08A and PTO/SB/08B, were indentified by either or both parties in litigation between Align Technology, Inc., assignee of the above-referenced patent application, and Ormco Corporation in case no. SACV 03-16-GLT

· Page 2

(ANX) before the U.S. District Court, Central District of California, Southern Division, as being

potentially relevant to the design, fabrication, and/or use of removable orthodontic appliances

and/or to the use of computers or other automatic means for calculating final or intermediate

tooth positions for orthodontic treatment.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the

information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses

all the possible relevant information.

Applicant believes that <u>no fee is required</u> for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the

undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit

any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

PATENT

James M. Heslin

Reg. No. 29,541

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JMH:tfw 60301441 v1

Substitute for form 49A/PTO Complete if Known 10/705,391 **Application Number** INFORMATION DISCLOSURE Filing Date November 10, 2003 STATEMENT BY APPLICANT First Named Inventor HUGHES, JOY VANNELIA Art Unit 3732 (use as many sheets as necessary) **Examiner Name** Unassigned 10 Attorney Docket Number 018563-005910US Sheet

	<u> </u>	Document Number	U.S. PATENT DO		*
xaminer Initials*	Cite No.1	Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	AB	3,660,900	05-09-1972	Andrews	
	AC	3,860,803	01-14-1975	Levine	
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Complete if Known Substitute for form 1449A/PTO 10/705,391 **Application Number** INFORMATION DISCLOSURE November 10, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor HUGHES, JOY VANNELIA **Art Unit** 3732 (use as many sheets as necessary) **Examiner Name** Unassigned 018563-005910US Sheet 10 Attorney Docket Number

			U.S. PATENT D	OCUMENTS+	
Examiner Initials*	Cite No.1	Document Number  Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		For	eign Patent Doo	cument		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
	Cite No. <sup>1</sup>	Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>®</sup> (# known)	Publication Date MM-DD-YYYY	Applicant of Cited  Document	Passages or Relevant Figures Appear	T <sup>6</sup>
•	СТ	EP	091,876	A1	10-19-1983	Duret		
	CU	EP	299,490	A2	01-18-1989	Steinbichler et al.		
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	cw	EP	490,848	B1	06-17-1992	Andersson et al.		
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Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 
For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 
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Substitu	ite for form 1449A/PT	О		Complete if Known		
				Application Number	10/705,391	
INFO	ORMATION	l Di	SCLOSURE	Filing Date	November 10, 2003	
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	HUGHES, JOY VANNELIA	
				Art Unit	3732	
(use as many sheets as necessary)				Examiner Name	Unassigned	
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				<b>FOREIGN PA</b>	TENT DOCUME	ENTS		
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Examiner Initials*		Applicant of Cited  Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>				
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	DF	wo	98/44,865	A1	10-15-1998	Andersson		
	DG	wo	98/58,596	A1	12-30-1998	Chishti et al.		

Examiner Signature	·	Date Considered	

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	D14 A T14	0N DIO		Application Number	10/705,391		
			CLOSURE	Filing Date	November 10, 2003		
STAT	TEMEN	T BY A	PPLICANT	First Named Inventor	HUGHES, JOY VANNELIA		
				Art Unit	3732		
(	(use as many sheets as necessary)			Examiner Name	Unassigned		
Sheet	4	of	10	Attorney Docket Number	018563-005910US		

	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	
Examiner Initials *	No.1	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	1
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Examiner	Date	
Signature	Considered	]

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Substitute	for form 1449	в/РТО		Complete if Known			
INIEO		ON DIC	CL OCUBE	Application Number	10/705,391		
_		_	CLOSURE	Filing Date	November 10, 2003		
STAT	EMEN'	T BY A	PPLICANT	First Named Inventor	HUGHES, JOY VANNELIA		
				Art Unit	3732		
(	(use as many sheets as necessary)		Examiner Name	Unassigned			
Sheet	5	of	10	Attorney Docket Number	018563-005910US		

		NON PATENT LITERAT	TURE DOCUME	NTS					
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Examiner Signature			Date Considered						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute	Substitute for form 1449B/PTO			Complete if Known			
	INFORMATION DISCLOSURE			Application Number	10/705,391		
				Filing Date	November 10, 2003		
STAT	STATEMENT BY APPLICANT		First Named Inventor	HUGHES, JOY VANNELIA			
				Art Unit	3732		
(	(use as many sheets as necessary)			Examiner Name	Unassigned		
Sheet	6	of	10	Attorney Docket Number	018563-005910US		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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Examiner	Date	j
Signature	Considered	

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1 Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute f	or form 1449B/PTC	)	<u> </u>		Complete if Known
INITOI	DAS ATION	DIC		Application Number	10/705,391
_	INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Filing Date	November 10, 2003	
STAT	STATEMENT BY APPLICANT		First Named Inventor	HUGHES, JOY VANNELIA	
:				Art Unit	3732
(u	se as many she	ets as	necessary)	Examiner Name	Unassigned
Sheet	7	of	10	Attorney Docket Number	018563-005910US

		NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	1
Examiner Initials *	Cite No. <sup>1</sup>	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	ר
	FD	HOFFMANN et al., "Role of Cephalometry for Planning of Jaw Orthopedics and Jaw Surgery Procedures," (Article Summary in English, article in German), <i>Informationen</i> , (March 1991), pp. 375-396.	
	FE	HUCKINS, "CAD-CAM Generated Mandibular Model Prototype from MRI Data," AAOMS 1999, p. 96.	
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	FK	KAMADA et al., "Case reports on tooth positioners using LTV vinyl silicone rubber" J. Nihon University School of Dentistry, 26(1):11-29, 1984.	
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·	FN	KESLING, "Coordinating the predetermined pattern and tooth positioner with conventional treatment" Am. J. Orthod. Oral. Surg., 32:285-293, 1946.	
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<u>.</u>	FR	LAURENDEAU et al., "A Computer-Vision Technique for the Acquisition and Processing of 3-D Profiles of Dental Imprints: An Application in Orthodontics," <i>IEEE Transactions on Medical Imaging</i> , Vol. 10, No. 3 (Sept. 1991), pp. 453-461.	
· · · · · · · · · · · · · · · · · · ·	FS	LEINFELDER et al., "A new method for generating ceramic restorations: a CAD-CAM system," Journal Of The American Dental Assoc., Vol. 118, No. 6 (Jun. 1989), pp. 703-707.	ľ

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Substitute	for form 1449B/P1	то		Complete if Known
INITO		L DICOL OCUDE	Application Number	10/705,391
_	INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date	November 10, 2003	
STATEMENT BY APPLICANT		First Named Inventor	HUGHES, JOY VANNELIA	
			Art Unit	3732
(t	use as many sl	heets as necessary)	Examiner Name	Unassigned
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	FT	MCNAMARA et al., Orthodontic and Orthopedic Treatment in the Mixed Dentition, Needham Press, January 1993. pp.347-353.	
<del></del>	FU	MCNAMARA et al., "Invisible Retainers", J. Clinical Orthodontics, (August 1985) pp. 570-578.	
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	GD	PONITZ, Invisible Retainers, 59 Am. J. Orthodontics, March 1971, pp. 266-272.	
	GE	Procera Research Projects, PROCERA Research Projects 1993 — Abstract Collection, 1993, pp. 3-28.	
	GF	REKOW, "A Review of the Developments in Dental CAD/CAM Systems,"(contains references to Japanese efforts and content of the papers of particular interest to the clinician are indicated with a one-line summary of their content in the bibliography), Dental Clinics: <i>Prosthodontics and Endodontics</i> , pp.25-33, 1992.	
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	GO	SCHELLHAS et al., "Three-Dimensional Computer Tomography in Maxillofacial Surgical Planning," Arch Otolamgol Head Neck Surg. Vol. 114 (April 1988), pp. 438-442.	
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	GR	Siemens, "CEREC - Computer-Reconstruction, "High Tech in der Zahnmedizin, 14 page total.	
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	GZ	VAN DER ZEL, "Ceramic-fused-to-metal Restorations with a New CAD/CAM System," Quintessence International, vol. 24(11) (1993), pp. 769-778.	
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